

WaveView™

Software for processing, displaying and archiving data from TRIAXYS™ Wave Buoys.



The WaveView™ software processes, displays, and archives the data received from the TRIAXYS™ Directional Wave Buoy via the TRIAXYS™ Digital Receiver (TDR).

WaveView™ runs on an IBM compatible PC with the English version of Windows* operating systems.

WaveView™ processes the data to reconstitute the wave spectra that have

been calculated on the buoy using proprietary software developed for Axys by the Canadian Hydraulics Centre (CHC) of the National Research Council of Canada (NRC).

The wave conditions in the form of zero-crossing and spectral statistics as well as directional and non-directional spectra are displayed in separate frames on the WaveView™ main screen. The user can customize the zero-crossing and spectral statistics frames by choosing which statistics to display and which to hide. The last 24 hours of the statistical data are shown in individual time series. Clicking on these time series, the power

spectrum or the directional spectrum enlarges them for easy viewing.

Clicking on the three-dimensional directional spectrum activates the TRIAXYS™ spectral wave viewer. Using this viewer, the directional spectrum can be viewed from any angle and direction using the "rotate" and "spin & tilt" options. The viewer includes zoom functions and the ability to change legends, axes and scales.

WaveView™ automatically archives the data files transmitted from the TRIAXYS™ Directional Wave Buoy. The files are archived by day, month and year, with a new folder being opened automatically for each new month. The data path for these files is set up through the Settings menu. The wave statistics

and spectral data received by WaveView™ are archived in an ASCII text format, delimited for importing easily into Windows* spreadsheets and databases.

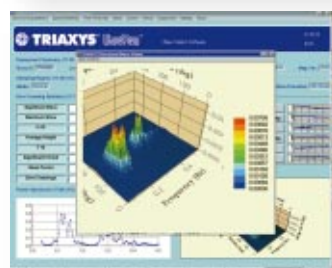
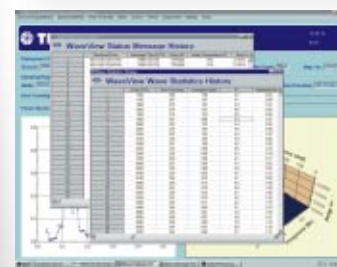
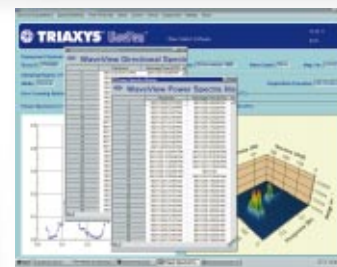
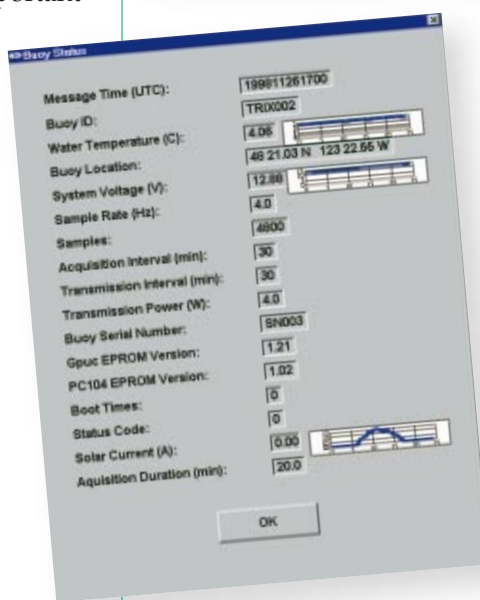
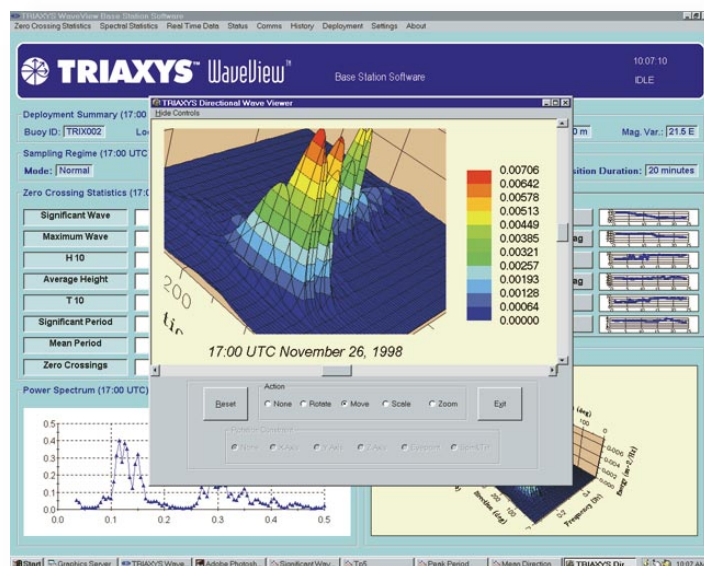
An additional feature of WaveView™ is the inclusion of the important Deployment Summary and Sampling Regime information on the main screen.

WaveView™ Specifications

Minimum Computer Requirements

- 166 MHz Pentium processor
- 16 MB RAM
- 40 MB free space hard drive
- Spare RS 232 serial port
- Windows 95*, 98* NT* or later

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AXYS

Environmental Systems *

Axys Environmental Systems
P.O. Box 2219, 2045 Mills Road West
Sidney, British Columbia
Canada V8L 3S8

Phone: +1 (250) 656-0881
Facsimile: +1 (250) 656-4789

E-mail: systems@axys.com
Website: <http://www.axystechnologies.com>

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